



SEQUENCE LISTING

<110> DANISCO A/S

<120> Process for the Enzymatic Modification of Pectin

<130> 550-354

<140> 10/018,604

<141> 2001-12-14

<160> 8

<170> PatentIn Ver. 2.0

<210> 1

<211> 1636

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: PG enzyme clone

<400> 1

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<211> 457

<212> PRT

Rec'd PCT/PTO 06 SEP 2003

#9

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: PG enzyme

<400> 2

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Lys Gln Val Tyr Asp Asn Ile Leu Glu Gln Glu Phe Ala His Asp Phe
35 40 45

Gln Ala Tyr Leu Ser Tyr Leu Ser Lys Asn Ile Glu Ser Asn Asn Asn
50 55 60

Ile Asp Lys Val Asp Lys Asn Gly Ile Lys Val Ile Asn Val Leu Ser
65 70 75 80

Phe Gly Ala Lys Gly Asp Gly Lys Thr Tyr Asp Asn Ile Ala Phe Glu
85 90 95

Gln Ala Trp Asn Glu Ala Cys Ser Ser Arg Thr Pro Val Gln Phe Val
100 105 110

Val Pro Lys Asn Lys Asn Tyr Leu Leu Lys Gln Ile Thr Phe Ser Gly
115 120 125

Pro Cys Arg Ser Ser Ile Ser Val Lys Ile Phe Gly Ser Leu Glu Ala
130 135 140

Ser Ser Lys Ile Ser Asp Tyr Lys Asp Arg Arg Leu Trp Ile Ala Phe
145 150 155 160

Asp Ser Val Gln Asn Leu Val Val Gly Gly Gly Gly Thr Ile Asn Gly
165 170 175

Asn Gly Gln Val Trp Trp Pro Ser Ser Cys Lys Ile Asn Lys Ser Leu
180 185 190

Pro Cys Arg Asp Ala Pro Thr Ala Leu Thr Phe Trp Asn Cys Lys Asn
195 200 205

Leu Lys Val Asn Asn Leu Lys Ser Lys Asn Ala Gln Gln Ile His Ile
210 215 220

Lys Phe Glu Ser Cys Thr Asn Val Val Ala Ser Asn Leu Met Ile Asn
225 230 235 240

Ala Ser Ala Lys Ser Pro Asn Thr Asp Gly Val His Val Ser Asn Thr
245 250 255

Gln Tyr Ile Gln Ile Ser Asp Thr Ile Ile Gly Thr Gly Asp Asp Cys
260 265 270

Ile Ser Ile Val Ser Gly Ser Gln Asn Val Gln Ala Thr Asn Ile Thr
 275 280 285
 Cys Gly Pro Gly His Gly Ile Ser Ile Gly Ser Leu Gly Ser Gly Asn
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 Ser Glu Ala Tyr Val Ser Asn Val Thr Val Asn Glu Ala Lys Ile Ile
 305 310 315 320
 Gly Ala Glu Asn Gly Val Arg Ile Lys Thr Trp Gln Gly Gly Ser Gly
 325 330 335
 Gln Ala Ser Asn Ile Lys Phe Leu Asn Val Glu Met Gln Asp Val Lys
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 Tyr Pro Ile Ile Ile Asp Gln Asn Tyr Cys Asp Arg Val Glu Pro Cys
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 385 390 395 400
 Thr Asn Phe Pro Cys Glu Gly Ile Ile Met Glu Asn Ile Asn Leu Val
 405 410 415
 Gly Glu Ser Gly Lys Pro Ser Glu Ala Thr Cys Lys Asn Val His Phe
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<210> 3

<211> 2192

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Lycopersicon
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<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Lys - C peptide

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<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Glu-C peptide

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17

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<223> Description of Artificial Sequence: Glu-C primer

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oligo

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20